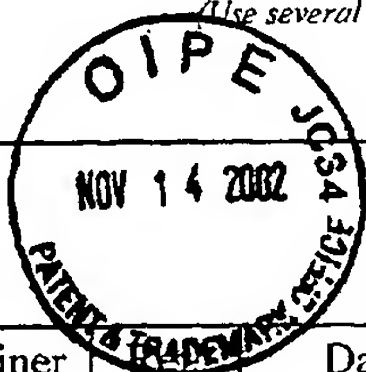


Form PTO-1449

INFORMATION DISCLOSURE CITATION
IN AN APPLICATION

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Docket Number: 360842008300

Application Number: 10/058,100

Applicant

Masahiro KIHARA et al.

Filing Date: January 29, 2002

Group Art Unit: 1723

Mailing Date: November 14, 2002

U.S. PATENT DOCUMENTS

Examiner Initials	No.	Date	Document No.	Name	Class	Subclass	Filing Date If Appropriate

FOREIGN PATENT DOCUMENTS

Examiner Initials	Ref. No.	Date	Document No.	Country	Class	Subclass	Translation YES NO
	1.	4/8/1999	WO 99/16714	PCT*			
	2.	4/1/2001	WO 01/14256	PCT*			
KEM	3.	6/3/1997	JP 09 141260	JP*			abs.
	4.	84/24/2001	JP 2001 113274	JP			X
	5.	8/13/1996	JP 08 206460	JP			X
	6.	4/25/1987	JP 62 091287	JP*			abs.
	7.	5/1/1996	EP 0 709 130	EUROPE*			

OTHER DOCUMENTS

(including author, title, Date, Pertinent Pages, Etc.)

Examiner Initials	Ref. No.	Title
	8.	A.M. Hassan et al., "A new approach to membrane and thermal seawater desalination process using nanofiltration membranes (Part 1)," 1998 Vol. 118, no. 1-3, pages 35-51. *
KEM	9.	A.M. Hassan et al., "A demonstration plant based on the new NF-SWRO process," 2000 Vol. 131, no. 1-3, pages 157-171. *
	10.	M. A. K. Al-Sofi et al., "Optimization of hybridized seawater desalination process," 2000 Vol. 131, no. 1-3, pages 147-156. *

*Submitted August 6, 2002.

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	Applicant Masahiro KIHARA et al.		
	Filing Date: January 29, 2002		Group Art Unit: 1723
	Mailing Date: May 21, 2002		

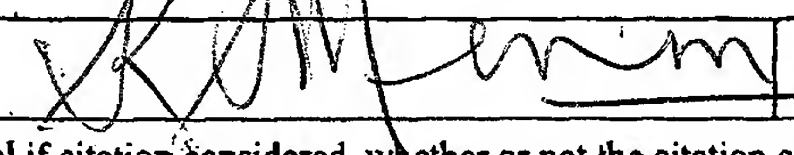
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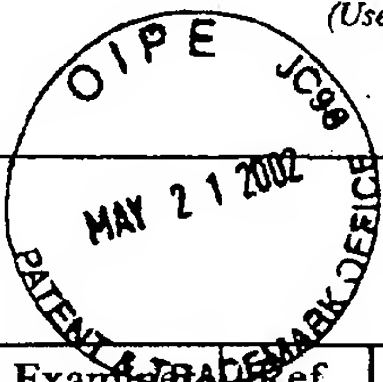
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	16.	7/1979	JP 54-31088	JP			abs.	
	17.	10/1977	JP 52128888 A	JP			abs.	
	18.	2/1980	JP 55027055	JP			abs.	
RM	19.	8/1980	JP 55109406	JP			abs.	
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	21.	12/1990	EP 0404390	EP				
	22.	1/1992	JP 4004022	JP			abs.	
	23.	2/1995	WO 95/05344	PCT				

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Examiner Initials	Ref. No.	Title
	24.	Junichiro YOSHIOKA, "High Pressure Pump and Power Recovery Equipment to be Used in Reverse Osmosis Desalination for Seawater", 1980 No. 112, pages 13-16
RM	25.	Hisashi KIMURA, "Introduction to Membrane Separation Technology", 1985, Vol. 11, No. 1, pages 34-40, 1985
	26.	PB80-186950, U.S. Department of Commerce National Technical Service, 1979, "Reverse Osmosis Technical Manual", pages 7-12 and 7-13
	27.	Argument submitted to the JPO by Adachi, 1998
	28.	Conlon et al., "Membrane softening: the concept and its application to municipal water supply", Desalination, 78 (1990) 157-176
	29.	Parekh, Engineering Feature, Chemical Engineering, 98 (1991) January, No. 1, pp. 70-85

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U.S. PATENT DOCUMENTS							
Examiner Initials	Ref. No.	Date	Document No.	Name	Class	Subclass	Filing Date If Appropriate
 <i>[Handwritten initials]</i>	1.	9/1974	3,836,457	Gross et al.			
	2.	4/1978	4,083,781	Conger			
	3.	4/1980	4,198,293	Ogawa et al.			
	4.	1/1981	4,243,523	Pelmulder			
	5.	3/1981	4,255,255	Ogawa et al.			
	6.	11/1982	4,361,485	Boonstra			
	7.	3/1986	4,574,049	Pittner			
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	12.	5/1992	5,112,483	Cluff			
	13.	8/1993	5,238,574	Kawashima et al.			
	14.	10/1993	5,252,219	Xu			
	15.	11/1993	5,266,202	Okonogi et al.			
FOREIGN PATENT DOCUMENTS							
Examiner Initials	Ref. No.	Date	Document No.	Country	Class	Subclass	Translation YES NO
OTHER DOCUMENTS <small>(including author, title, Date, Pertinent Pages, Etc.)</small>							
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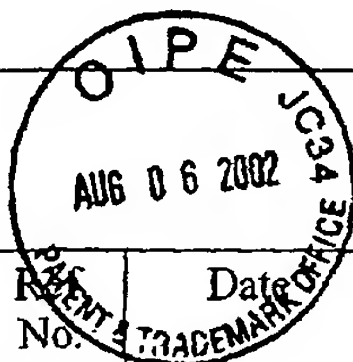
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